

A decorative graphic on the left side of the slide, consisting of white lines and circles on a blue gradient background, resembling a circuit board or a stylized tree structure.

# OCEAN ENERGY, OCEAN ACIDIFICATION, AND SEAFOOD SURVIVAL...

CARBONIC ACID ACCUMULATION IN THE PLANET'S OCEANS (CARBON EMISSIONS-BORN OCEAN ACIDIFICATION) AND CLIMATE CHANGE TOGETHER THREATEN THE SURVIVAL OF SEAFOOD AND THE FOOD SECURITY OF MILLIONS OF COASTAL PEOPLE AND THE QUALITY OF LIFE FOR ALL MANKIND

# TECHNOLOGICAL ADVANCES IN OCEAN ENERGY DEVICES HAVE PRODUCED CLEAN FRESH WATER AND ENERGY

## CETO

Extracts energy from ocean waves and converts it to renewable electricity and desalinated water.

The CETO unit is a fully submerged buoy tethered to a seabed mounted pump. The buoy moves in harmony with the waves, driving the pump which delivers high pressurised fluid ashore via a subsea pipeline.

The high-pressure fluid drives hydroelectric turbines, generating zero-emission electricity or directly desalinating water onshore.

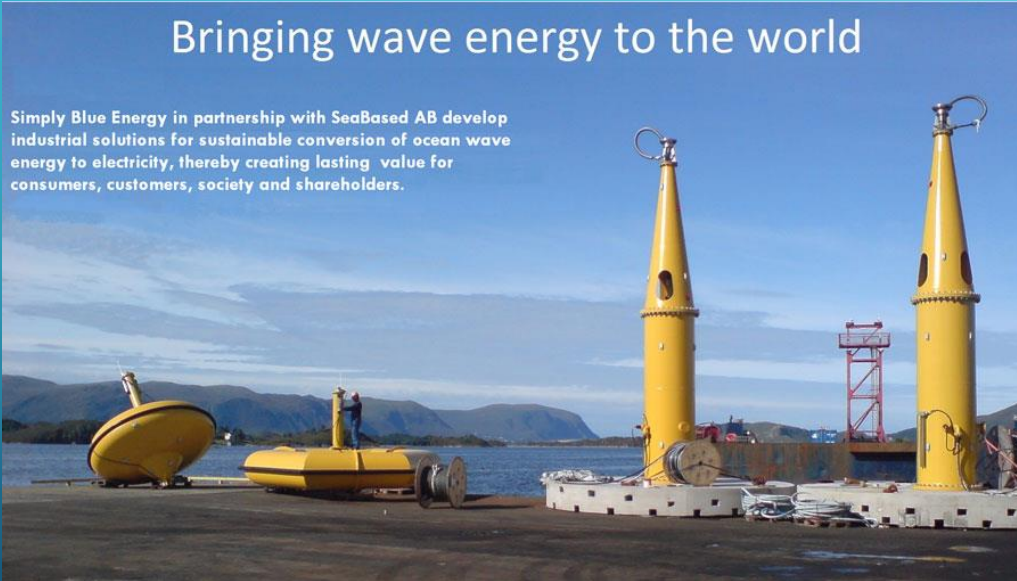
A CETO project consists of a number of CETO units in an "array" operating out of sight under the ocean.



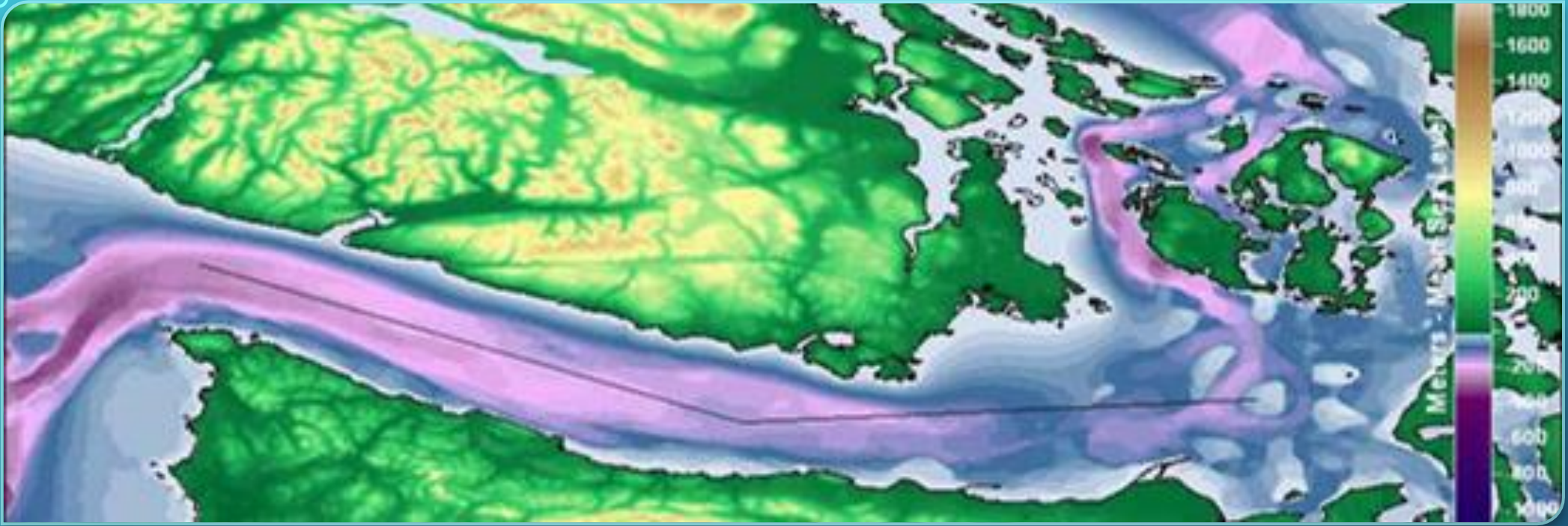
# WAVE AND TIDAL SYNERGY FOR PREDICTABLE ENERGY AND OPTIMUM ENERGY CHANNELING

## Bringing wave energy to the world

Simply Blue Energy in partnership with SeaBased AB develop industrial solutions for sustainable conversion of ocean wave energy to electricity, thereby creating lasting value for consumers, customers, society and shareholders.





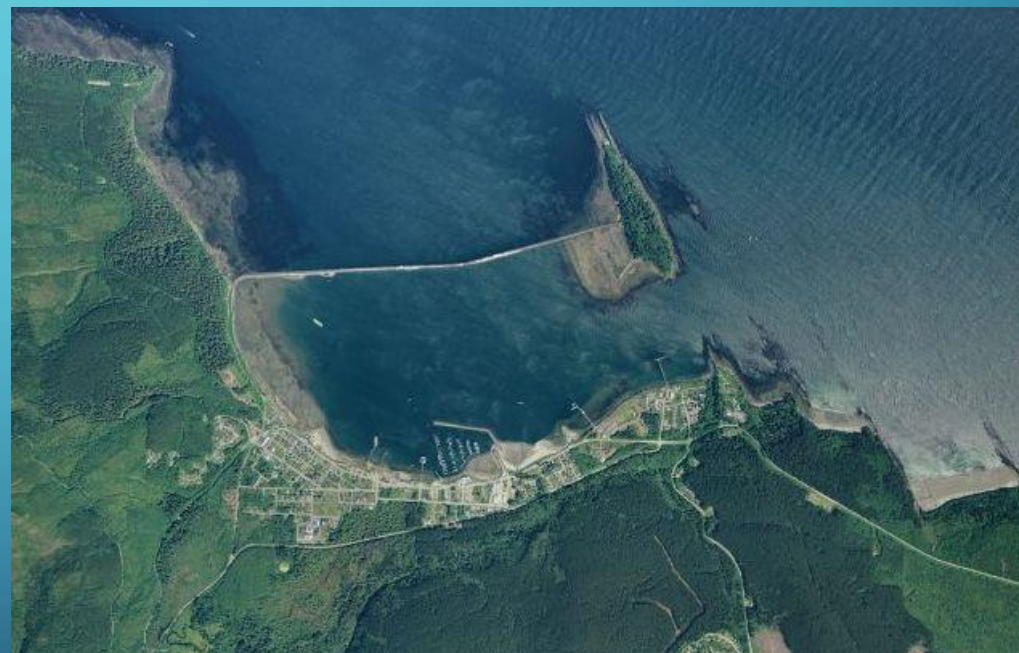
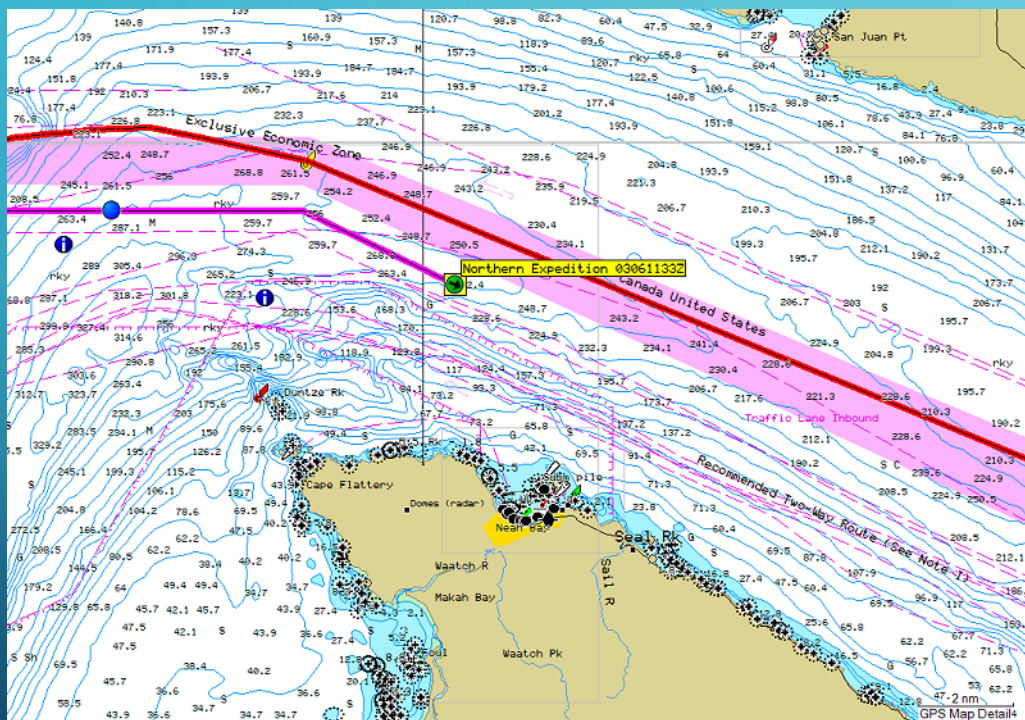


## INTENSIVE NATURAL ENERGY OF WESTERN JUAN DU FUCA

Neah Bay is located next to one of the most dynamic ocean energy locations in North America and Washington State.

The Makah Tribe a maritime and fishing People have unique rights and needs, while possessing sovereign rights to our resources

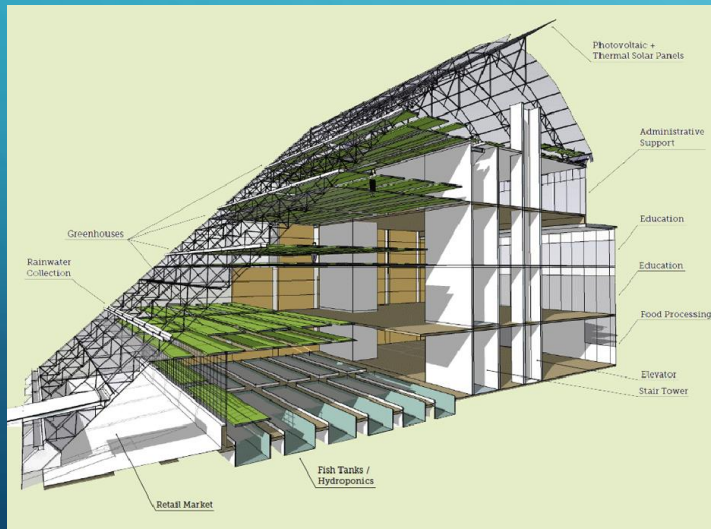
# NEAH BAY IS ADJACENT TO OCEAN POWER







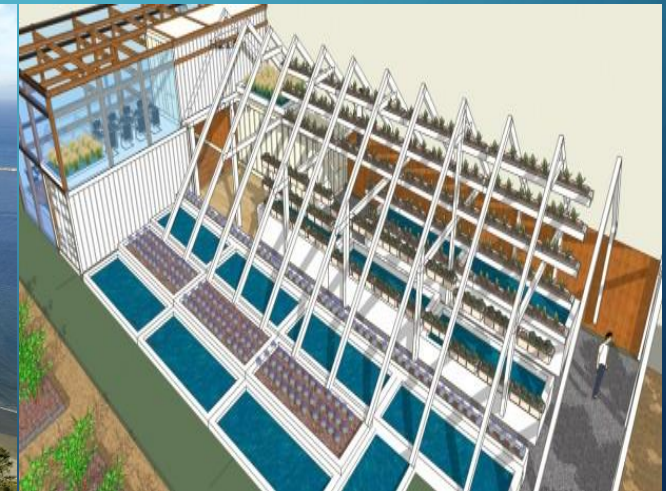
## MARINE AQUAPONICS



## ONSHORE LOCATION



## OCEAN POWERED AG



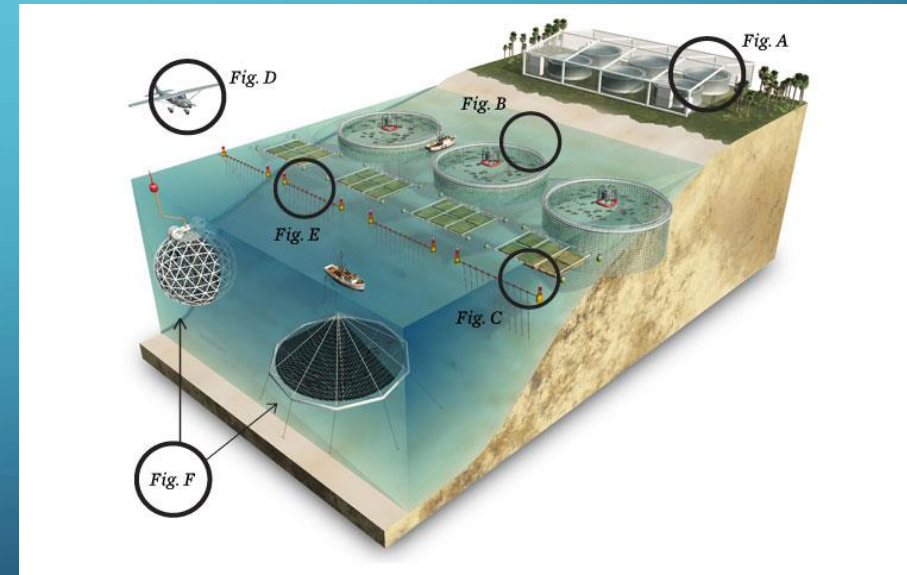


# IN AN ERA OF OCEAN ACIDIFICATION, WE NEED TO EVOLVE BEST PRACTICES TO PRESERVE MARINE LIFE

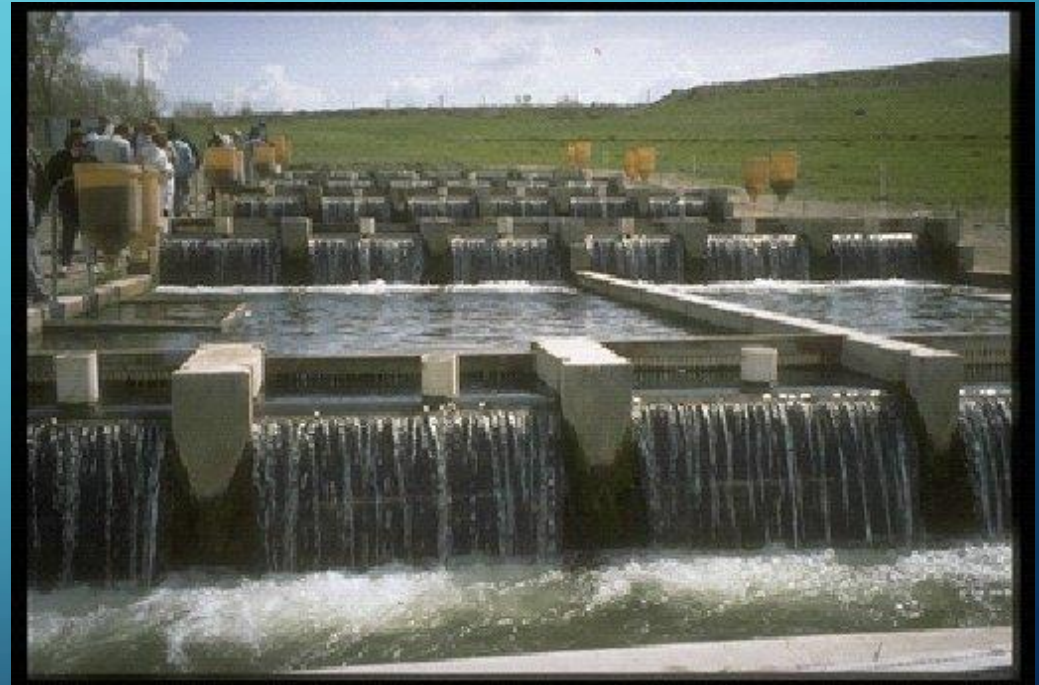
## CONVENTIONAL AQUACULTURE



## ADVANCED SEAFOOD SECURITY

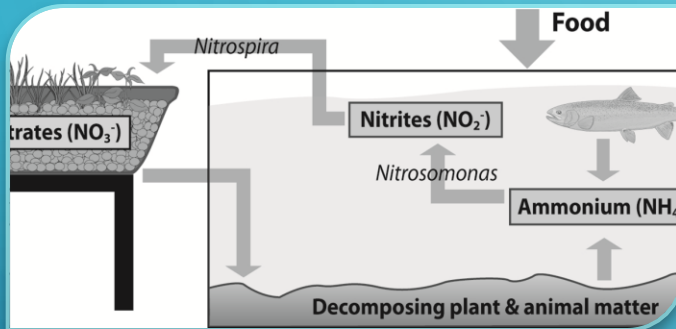


# OCEAN POWERED SEAWATER DELIVERY TO SHORE





# MARINE AQUAPONICS AND BIO-REMEDIATION OF OCEAN ACIDIFICATION = SEAFOOD SURVIVAL



## MARINE AQUACULTURE

With nutrient recovery for marine aquatic plant cultivation

## CLOSED LOOP SYSTEMS

Accommodations for highly valuable seafood species add to financial feasibility

## SEAWEED PRODUCTION

Aquatic plants mitigate OA on the intake, and absorb nutrient load from aquaculture fish tanks

# MARINE BIOSPHERE MARI-CULTURE, POWERED BY TIDE, WAVE, WIND AND SOLAR. OPTIMUM LOCAL SUPPLY AND DEMAND=SEAFOOD SECURITY AND ANSWER TO OCEAN ACIDIFICATION FOR MARINE LIFE SURVIVAL



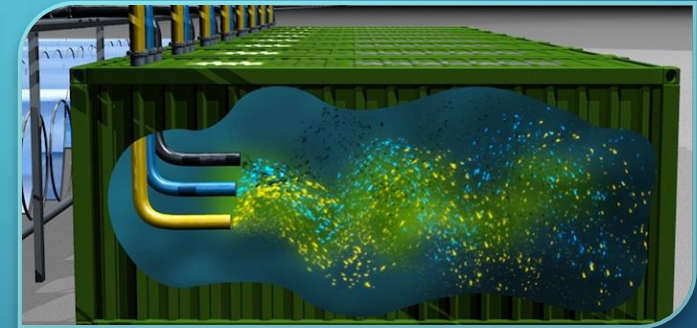
## YEAR ROUND PRODUCTION

Sea food production and processing for an vertically integrated business model



## NUTRIENT RECOVERY

Excess volumes of seawater nutrients, and Power can be harnessed with LED enhanced Biofuel production



## ECO-RISK MITIGATION

Any and all nutrients can be captured and recovered for optimal value to the last drop